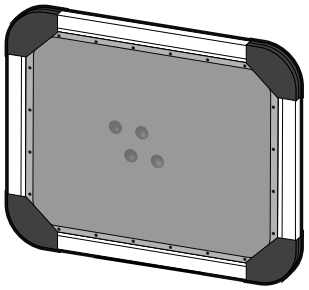
Pioneer *sound.vision.soul*

Service Manual



S-FL1

ORDER NO.
RRV3263

Flat Panel Speaker

S-FL1 XTW/E5

PIONEER CORPORATION 4-1, Meguro 1-chome, Meguro-ku, Tokyo 153-8654, Japan
PIONEER ELECTRONICS (USA) INC. P.O. Box 1760, Long Beach, CA 90801-1760, U.S.A.
PIONEER EUROPE NV Haven 1087, Keetberglaan 1, 9120 Melsele, Belgium
PIONEER ELECTRONICS ASIACENTRE PTE. LTD. 253 Alexandra Road, #04-01, Singapore 159936
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1. PARTS LIST

NOTES: ● *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*
● *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*

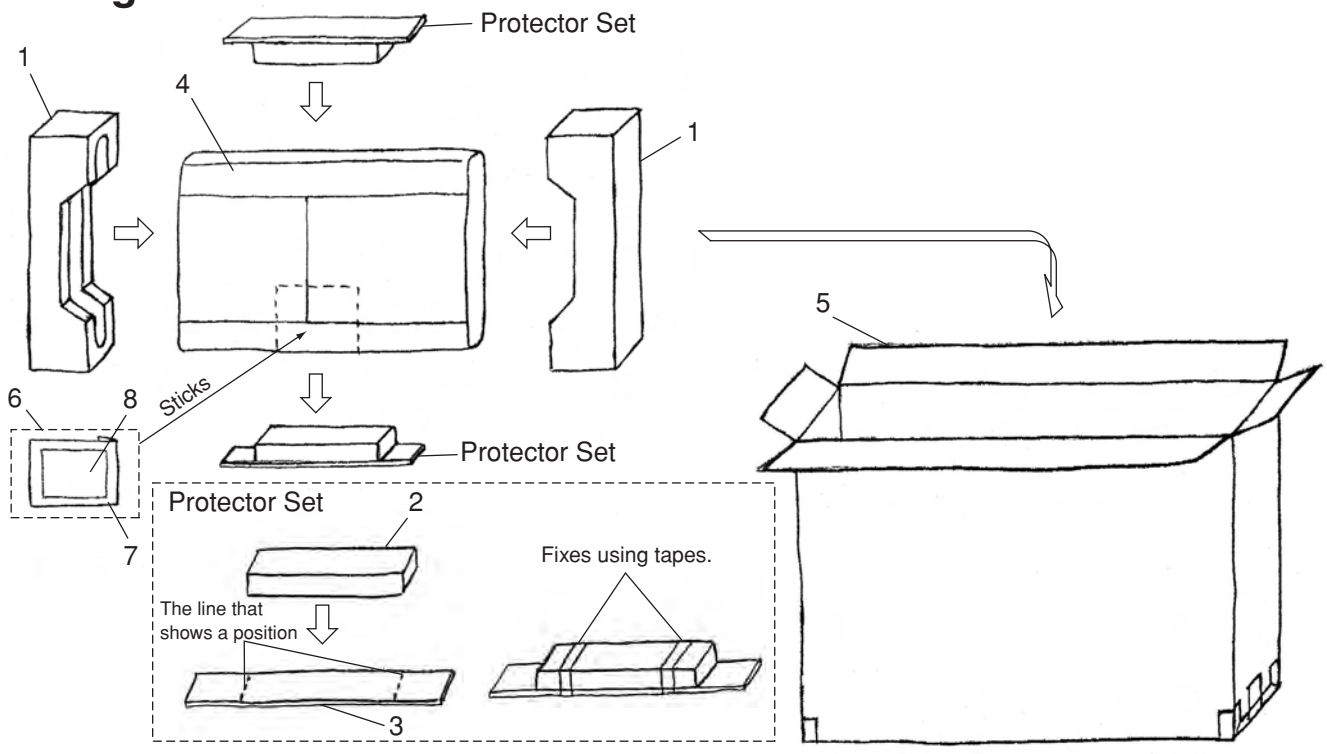
CS ASSY

Mark	No.	Description	Part No.
		Speaker Assy	SMW1901
NSP		External Frame A	SLH1087
NSP		External Frame B	SLH1088
NSP		External Frame C	SLH1089
NSP		External Frame D	SLH1090
NSP		Frame Brace	SNE1032
		Coner Protector A	SNK2833
		Coner Protector B	SNK2834
		Punching Net	SNC1205
NSP		Model Label	SAN3543
NSP		Serial Label	SAX1420
		Insulating Tube	SDM1007
		Packing A	SEC2007
		Packing B	SEC2008
		Packing	SEC2067
		Suspension C	SEP1347
		Input Terminal Base	SNK2835
		Cap	SNK2836
		Handle	SNK2837
NSP		Wiring Label	SRW1113
		Screw (for Frame Brace)	BMZ40P080FTC
		Screw (for Input Terninal)	OPZ30P100FTB
		Screw (for Input Terminal Base)	PMZ30P250FTC
		Screw (for Handle)	PMZ40P100FTB
		Screw (for External Frame)	PMZ40P350FTC
		Screw (for Coner Protector)	SKC50H350FTB
		Screw (for Punching Net)	SMZ40H060FTB
		Screw (for Cap)	SMZ60H200FTB
		Input Terminal Ass'y	SKX1099
NSP		├ Cord D	SDB1157
NSP		├ Cord E	SDB1158
		├ Insulating Tube	SDM1007
NSP		├ Insulating Tube	SDM1008
NSP		└ Input Terninal	SKN1010

For Packing

Mark	No.	Description	Part No.
	1	Protector	SHA2511
	2	PS Spacer	SHA2527
	3	Protector	SHB1171
	4	Protection Sheet	SHC1833
	5	Packing Case	SHG2705
NSP	6	Accessories Set	SME3691
	7	├ Polyethylene Bag S2	SHL1420
	8	└ Operating Instructions (English, French, German, Italian, Spanish, Dutch, Chinese)	SRD1290

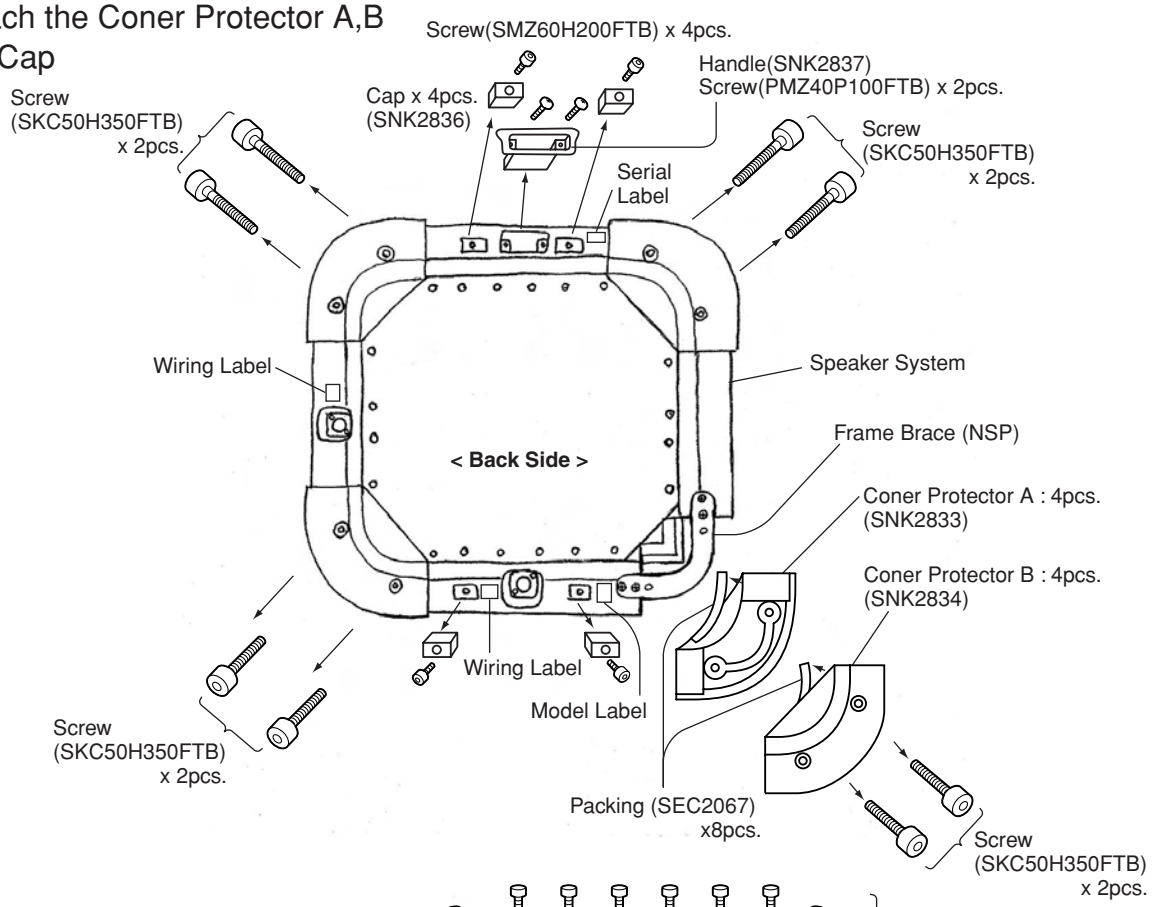
Packing



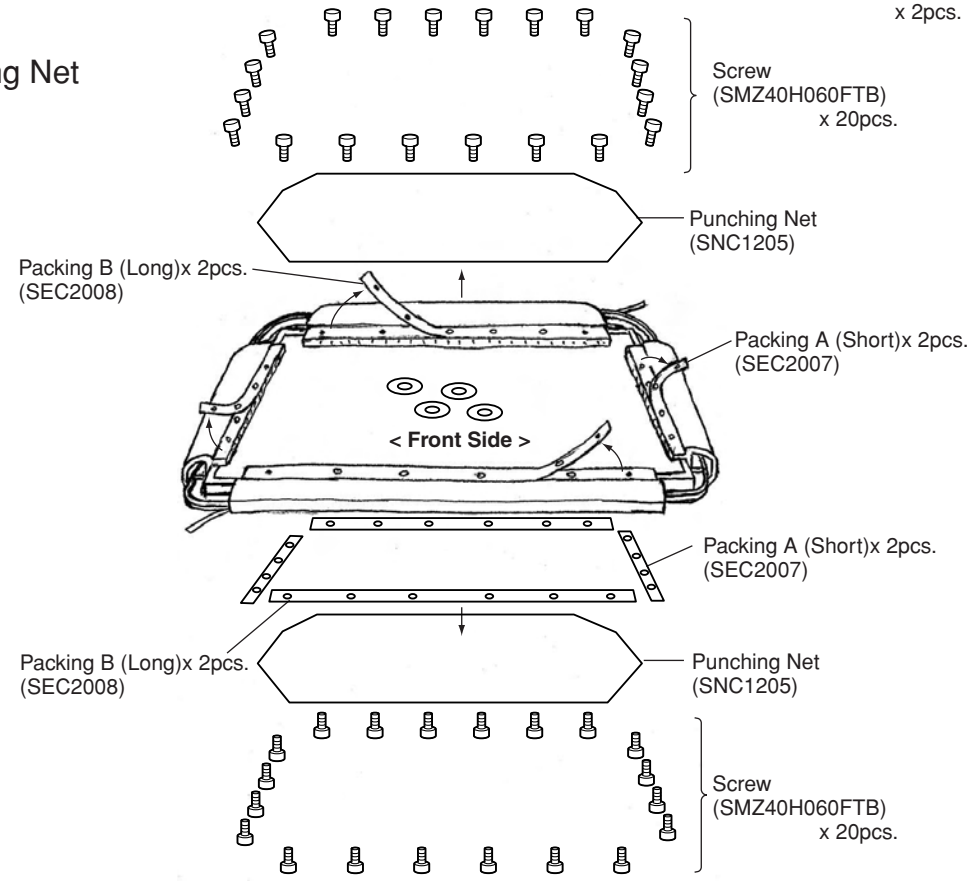
2. FOR PRECAUTION OF DISASSEMBLY AND REASSEMBLY

2-1. DISASSEMBLY

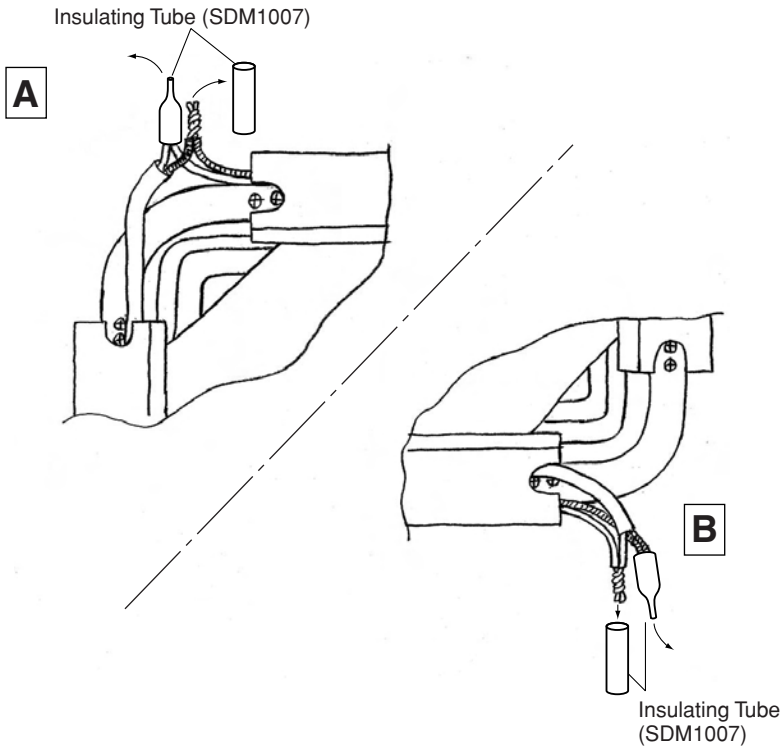
① Detach the Coner Protector A,B and Cap



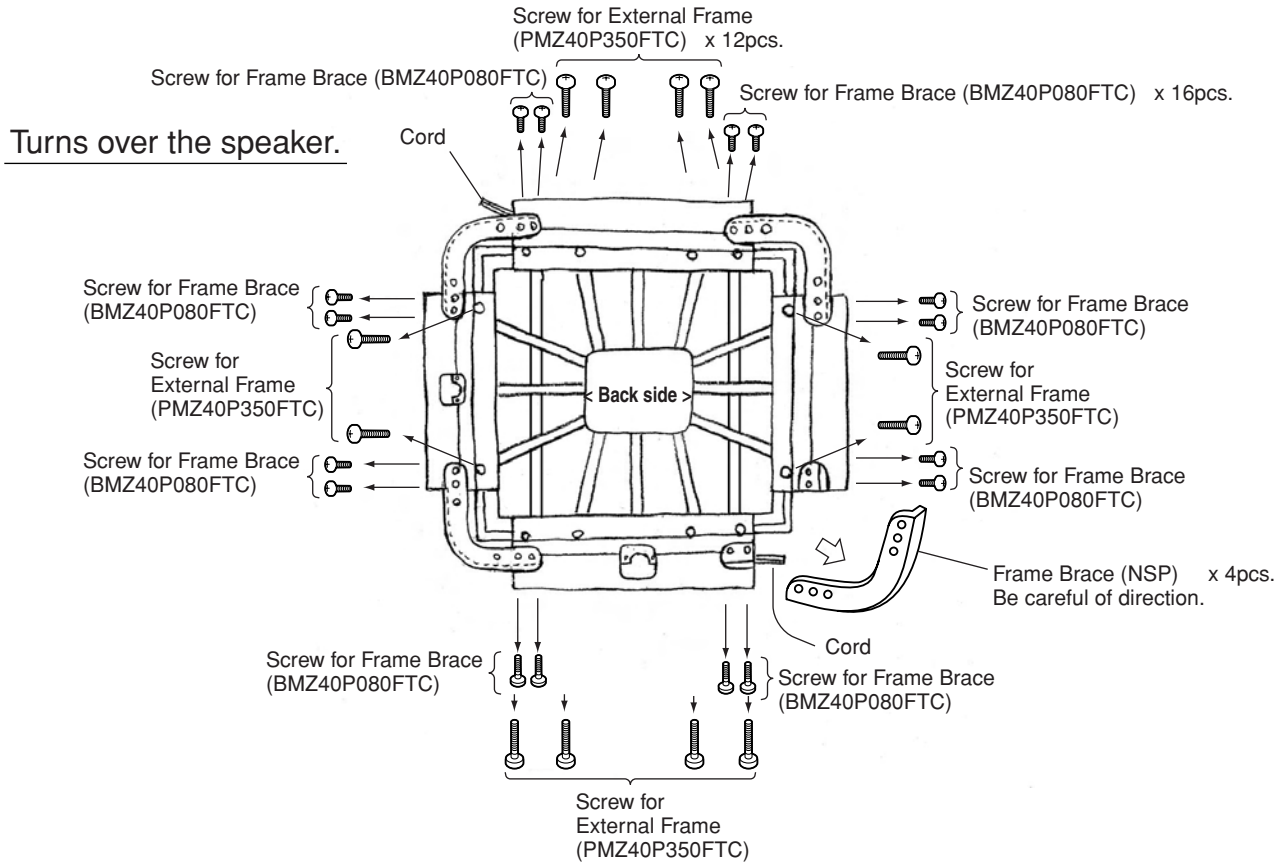
② Detach the Punching Net



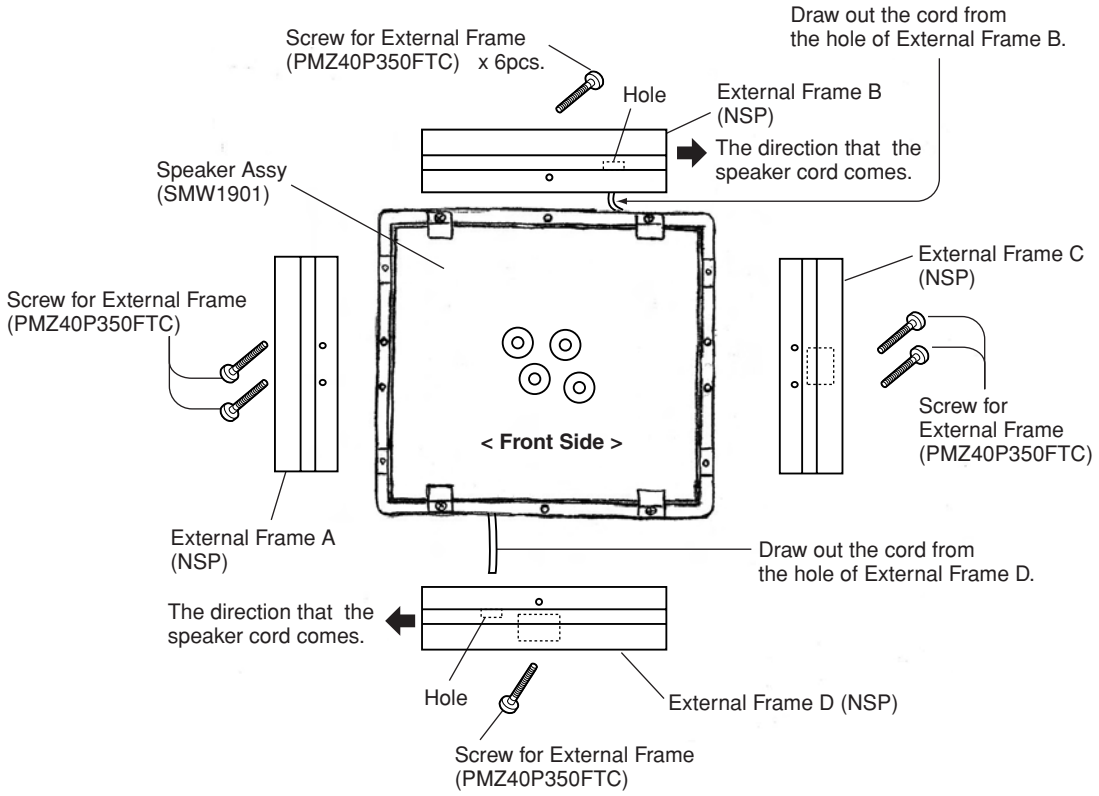
③ Disconnect the Input Terminal Assy Cords and Speaker Assy Cords



④ Unfasten the Screw for the External Frame and Detach the Frame Brace



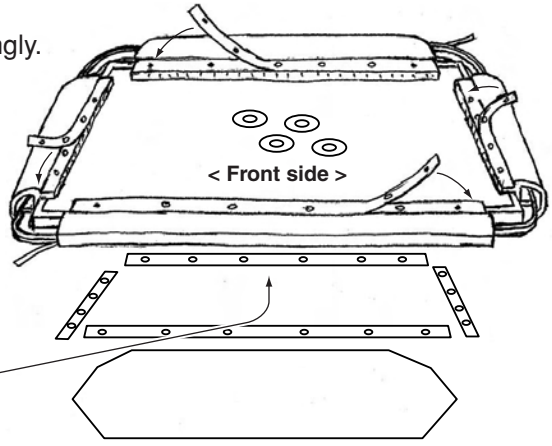
⑤ Detach the External Frame



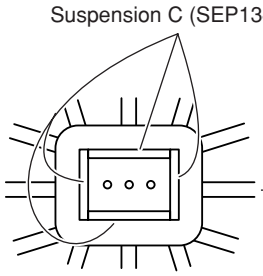
2-2. REASSEMBLY

Reassembles by the order of ⑤ -> ④ -> Connecting the Input Terminal Assy cord and the Speaker Assy cord, Puts the Insulation Tube, Styling the connection cord -> ②-> ①.

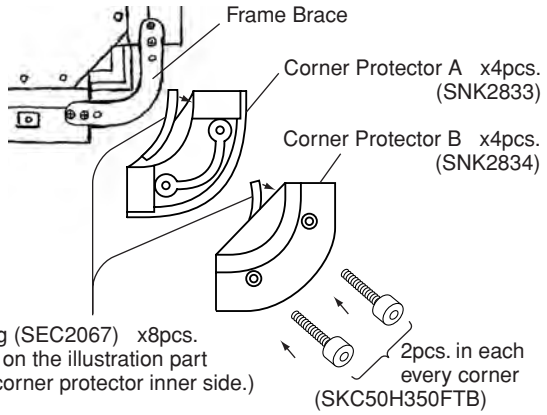
Note 1) When you attach the Extenal Frame A, B, C, D to the speaker at first, don't tighten the screw strongly.
But when you attach the Frame brace, fasten the screws strongly.



Note 2) Stick the Suspension C
Stucks the suspension C on the center of the frame back side, as shown in a figure.



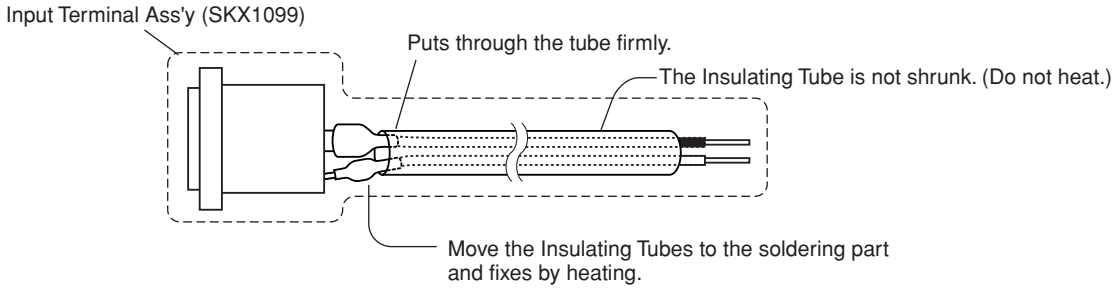
Note 3) Attach the Corner Protector
Sticks the Packing to the Corner Protector.
Covers the Frame Brace by the corner protector and fasten the Screws.

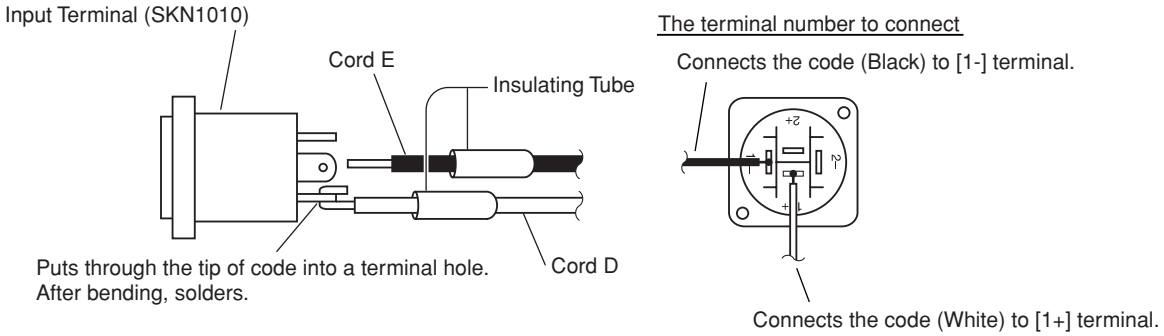


Note 4) Attach the Punching Net
The Punching Net have distinction of the front and the back side. The side which has burr arround the hole is the back side. Be sure to attach it to inside.

2-3. CONNECTING and SCHEMATIC DIAGRAM

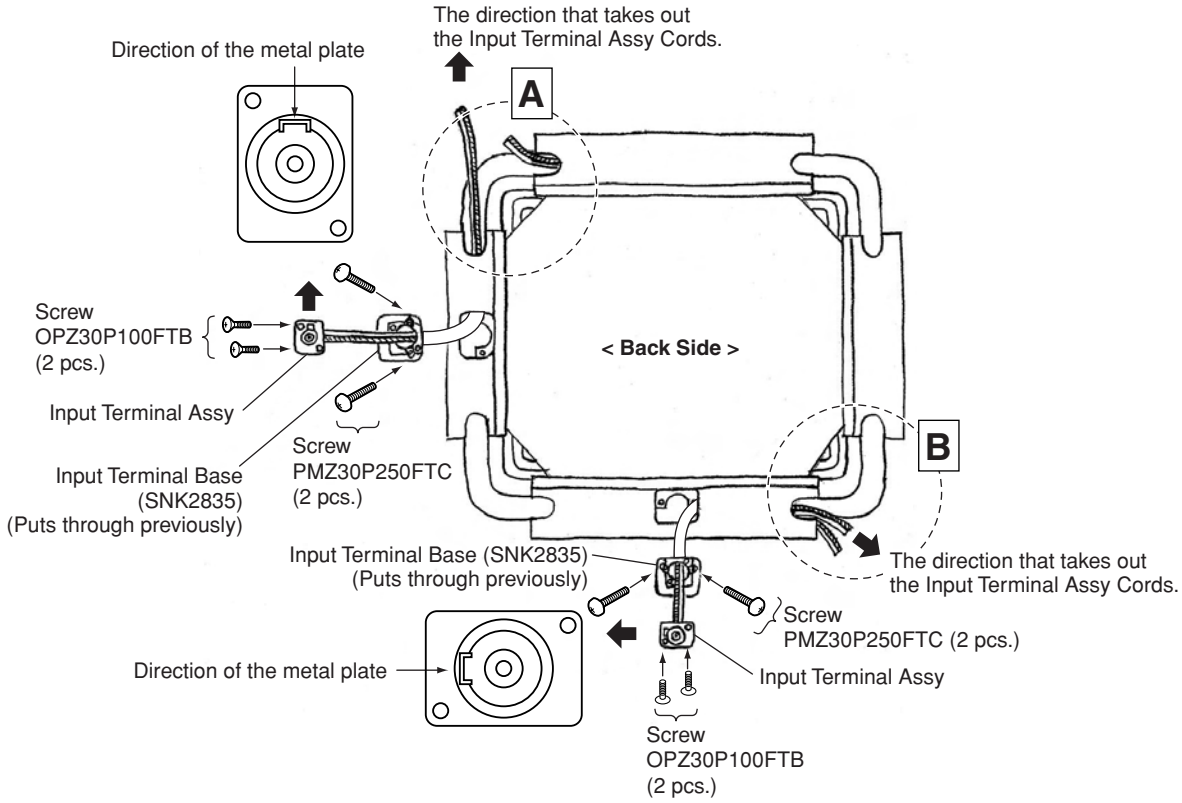
● Input Terminal Ass'y (SKX1099)


Input Terminal Ass'y (SKX1099)
Puts through the tube firmly.
The Insulating Tube is not shrunk. (Do not heat.)
Move the Insulating Tubes to the soldering part
and fixes by heating.

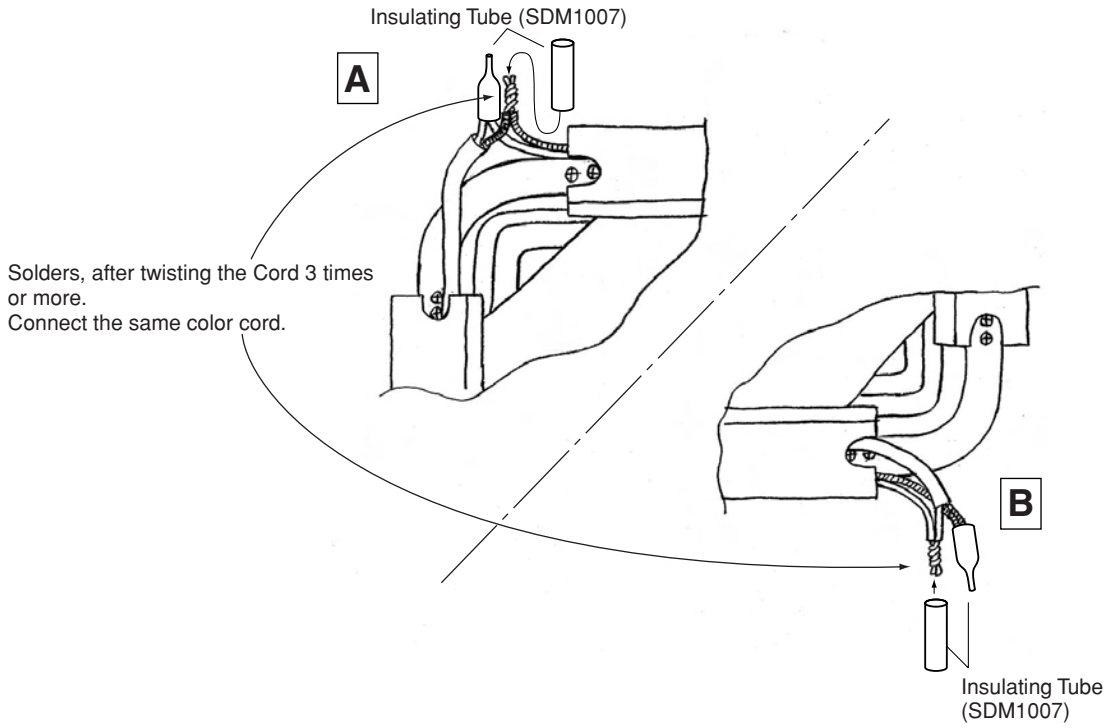

Input Terminal (SKN1010)
Cord E
Insulating Tube
Puts through the tip of code into a terminal hole.
After bending, solders.
Cord D
The terminal number to connect
Connects the code (Black) to [1-] terminal.
Connects the code (White) to [1+] terminal.

● Attach the Input Terminal Ass'y

Previously, puts through the cord to the Input Terminal Base.
Then puts through the cord to External Frame.

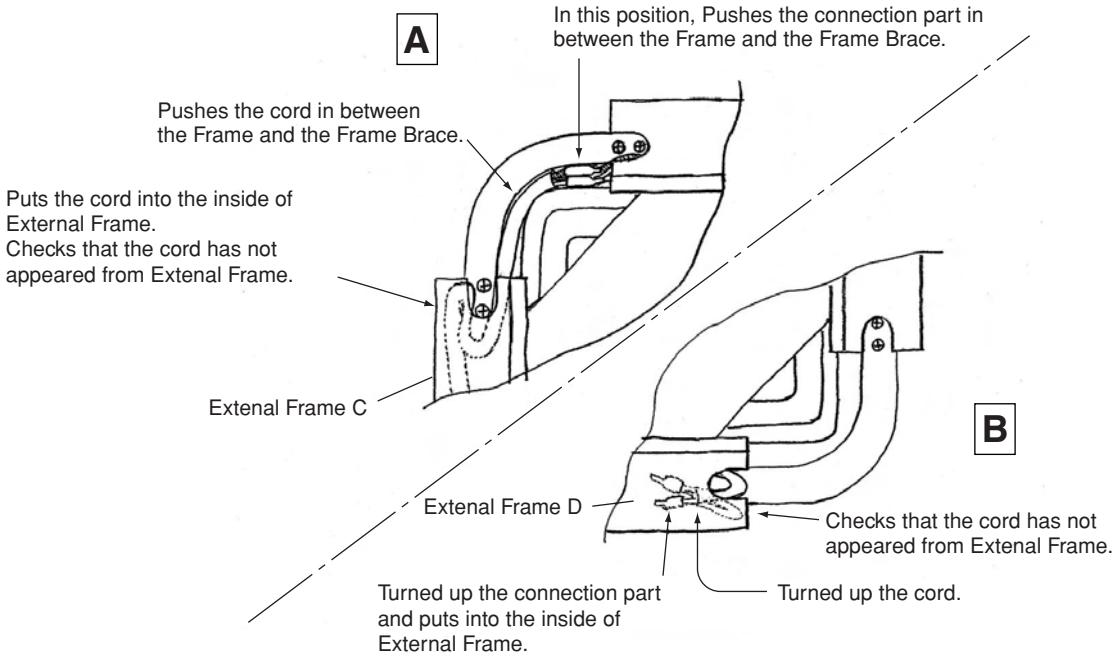


● Connection of the Input Terminal Ass'y Cords and the Speaker Assy Cords



● Styling

Turned up the connection part and the cord and puts into the inside of External Frame.


A
In this position, Pushes the connection part in between the Frame and the Frame Brace.
Pushes the cord in between the Frame and the Frame Brace.
Puts the cord into the inside of External Frame.
Checks that the cord has not appeared from Extenal Frame.
Extenal Frame C
B
Extenal Frame D
Checks that the cord has not appeared from Extenal Frame.
Turned up the connection part and puts into the inside of External Frame.
Turned up the cord.

Connecting to your amplifier

Caution

- Be careful not to short the two pins (1+ and 1–) of the free speaker terminal. Doing so could damage the speaker and your amplifier.
- Switch off the amplifier before connecting any speakers.

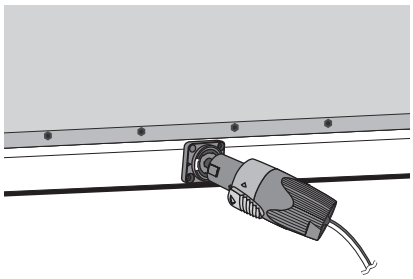
There are two connection terminals on the rear side of the speaker. To connect the speaker to your amplifier you will need a suitable speaker cord terminated in a Neutrik Speakon® speaker connector [NL4MP]. Only the 1+ and 1– pins should be connected. These connect to the positive (+) and negative (–) speaker terminals respectively on the amplifier.

Neutrik [NL4FX] and [NL4FC] Speakon speaker cord can be used for the connection. Please refer to Neutrik for more information.

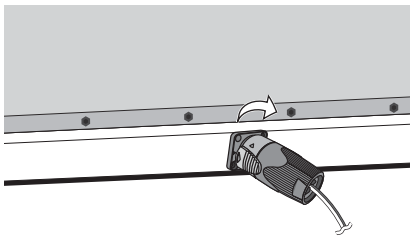
1 Use a suitable speaker cord (not supplied) to connect the speaker terminal on your amplifier to one of the input terminals on the rear of the speaker.
The speaker's terminals are exactly the same; use whichever is convenient.

- See the manual that came with your amplifier for more details.

a Plug the speaker cord connector into the speaker's input terminal. Check the alignment for the connector with the jack before plugging in.



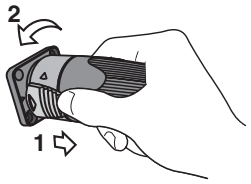
b After inserting the connector fully, turn clockwise to lock it in place.



- After connecting, gently pull the connector to make sure that it is securely connected. Improper connection can be a cause of noise or other problems.

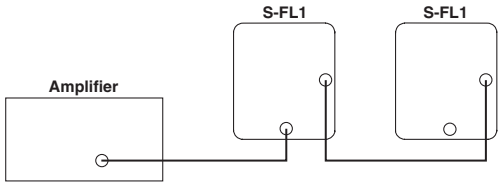
Disconnecting

Squeeze the lever on the speaker connector with your thumb, then twist the whole connector counter-clockwise and pull out.

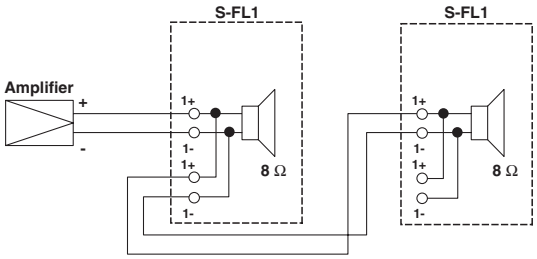


Connecting another speaker

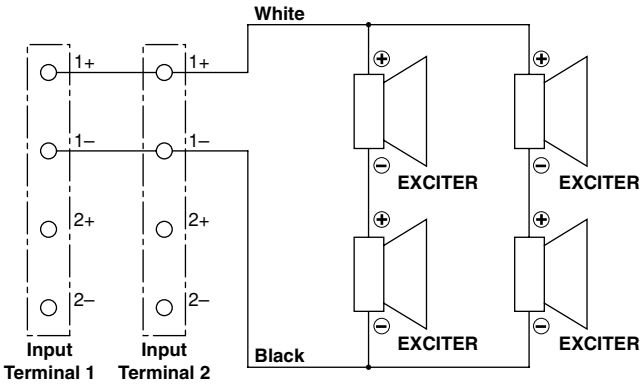
On the rear of the speaker are two terminals; you can use these to connect another speaker of the same type to this speaker.



- The number of speakers you may connect will vary according to the impedance rating of the amplifier. See the manual that came with your amplifier for more details.
- The diagram below shows the wiring of two connected speakers.



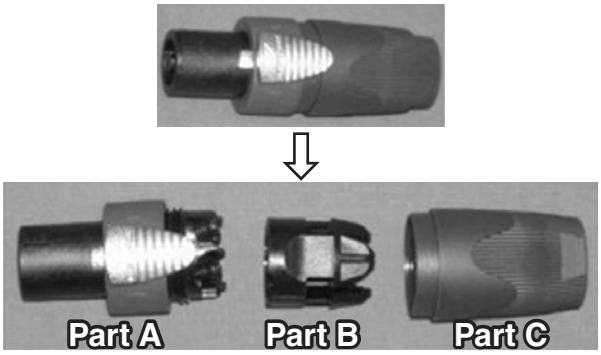
SCHEMATIC DIAGRAM



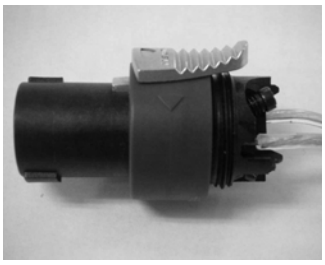
3. JIGS

● SPEAKON (GGF1541)

1. Turn the black cap leftward and removed.
   (Don't turn rightward)



2. Loosen the screw and insert the speaker cable in the silver color hole of [1-] and [1+]. Next tighten the screws. (Part A)

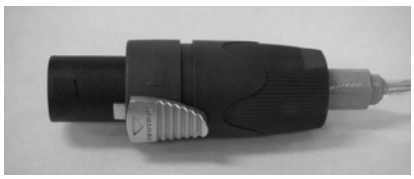


- Usually, [1+] is connected as [+] and [1-] is connected as [-].
- In case of the diameter of speaker cable is thin, please stick a tape etc. and make the diameter of cable thick.

3. After connecting the speaker cable, according to the thickness of a cable, it inserts in order of the adapter(for fixation) and the cap, and it turns rightward and fixes.

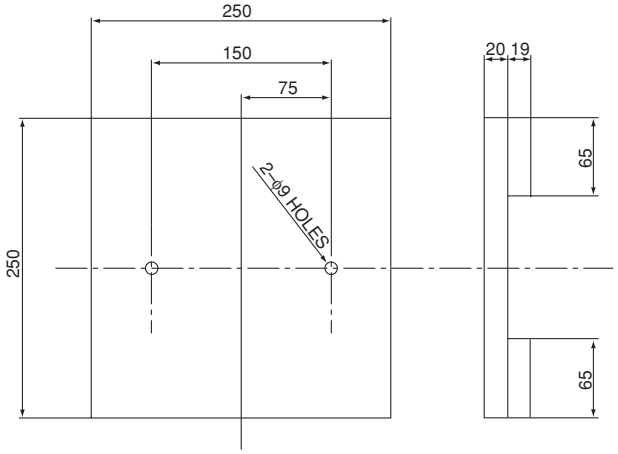
- There is a lock mechanism. Disassembly will be impossible once it assembles.

4. Finish

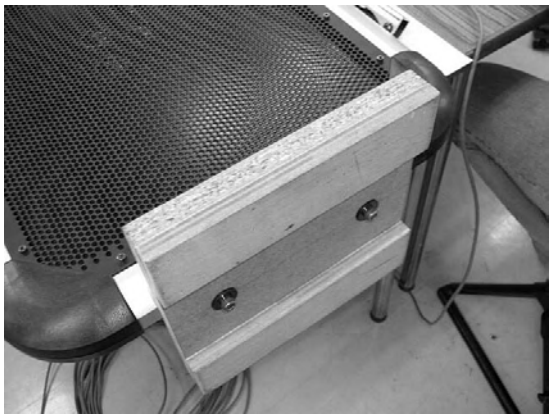


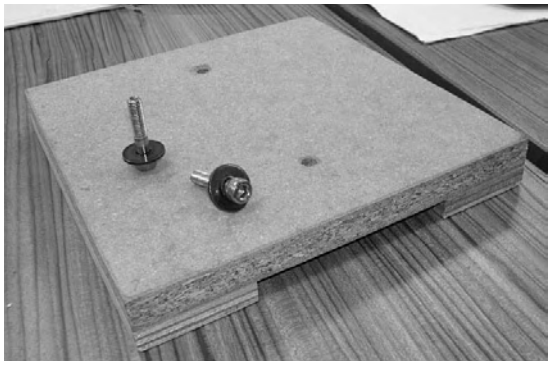
● SPEAKER STAND for S-FL1

Please make this stand by your side.



Screw M8, Screw Length 35 [mm]
Measure for abnormal sound, be sure to use the washer(M8) and the spring washer(M8).





■ Jigs List

Jig Name	Jig No.	Note
SPEAKON	GGF1541	The check of operation